

ABSTRACT

In an inkjet device that ejects ink on a medium with an inkjet head, data conversion software generates ejection data and timing control data from pattern data that describe patterns of ejection target pixels. A timing control board outputs a drive waveform generation trigger signal and a data transfer request signal to a drive waveform generator board and a memory board, respectively. The drive waveform generator board generates drive waveforms according to drive waveform generation trigger signal. The memory board transfers ejection data to the driver board according to the data transfer request signal. The driver board controls ink ejection of each nozzle based on the ejection data. Therefore, the inkjet device is capable of highly accurate positioning of ink ejection with almost no increase in the amount of data.